

ABSTRACT

Parametric loudspeakers that are based on a modulated ultrasound carrier signal produce strong directional patterns. This strong directional patterns require a direct transmission path from the loudspeaker to the audience. Obstacles in this path have a reflecting or absorbing effect. The invention describes a mechanical arrangement of a parametric loudspeaker with a mobile reflector. The arrangement allows tracking of the emitted sound in the direction of a moving audience. The invention provides for advantageous installation possibilities, for example in the rooflining of vehicles or as a mobile system.